Abstract

Disclosed is a method for detecting or identifying the original animal species in a sample likely to contain an ingredient obtained at least from said species. The inventive method is characterized by the following steps: a) a nuclear fraction is obtained from said sample; b) at least one reactant which is specific to the animal speices is provided and selected among a group formed by: -the reference sequences SEQ ID numbers 1 to 232, 242 to 261; - the sequences complementing each of the sequences SEQ ID 1 to 232, 242 to 261, respectively; - the sequences homologous to each of the sequences SEQ ID numbers 1 to 232, 242 to 261 and sequences complementing each of the sequences SEQ ID numbers 1 to 232, 242 to 261, respectively; c) the nuclear fraction and said reactant are reacted with each other; and d) any signal or information resulting from the specific reaction between said reactant and the nuclear fraction is detected, whereby it can be established if said sample contains said original animal species.